

Express Mail No.: EV529825277US
International Application No.: PCT/EP03/05672
International Filing Date: May 30, 2003
Preliminary Amendment Accompanying
Substitute Specification

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Method—A method for supplementing and calculating energy consumed by a vehicle comprising a receiving area for a first energy accumulator, characterized in that the method comprising:

- a) removing a first energy accumulator (20) is removed from a vehicle (35);
- b) introducing a second energy accumulator (20) with a preset energy level is introduced into the vehicle (35);
- c) determining the a difference in the an amount of energy between in the first and in the second accumulator (20) is determined; and
- d) transmitting a value indicating the difference is transmitted to the a data acquisition device; ;
- e) inhibiting after exchange of energy accumulator (20), withdrawal of energy from the second energy accumulator (20) is prevented and/or a vehicle drive-away inhibition (22) prevents vehicle (35) from being driven away; and
- f) releasing the energy withdrawal and/or drive-away inhibition (22) is released via a signal.

2. (Currently Amended) Method—The method according to Claim claim 1, characterized in that further comprising:

subjecting the first energy accumulator (20) removed from vehicle (35) is subjected to a function test and/or several additional tests before the a recharging process.

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3. (Currently Amended) ~~Method~~ The method according to ~~Claim~~ claim 1 or 2, characterized in that further comprising storing preset data from ~~the-a test or tests are preserved or stored on or in an energy accumulator-(20)~~.

4. (Currently Amended) ~~Method~~ The method according to one of the preceding claims ~~claim 1, characterized in that,:~~

a) ~~after exchange of energy accumulator-(20), withdrawal of energy from the second energy accumulator-(20) is prevented and/or a drive away inhibition-(22) prevents driving vehicle-(35) away,; and~~

b) ~~energy withdrawal and/or drive away inhibition-(22) is released via a wherein the signal is a radio signal.~~

5. (Currently Amended) ~~Method~~ The method according to one of the preceding claims ~~claim 1, characterized in that wherein~~ data related to consumption is detected and transmitted to the data acquisition device.

6. (Currently Amended) ~~Electric~~ An electric vehicle for operation with an energy accumulator-(20), ~~consisting in particular of~~ comprising one or more batteries or capacitors, characterized by an unambiguous label-(17)-and/or standardized terminals-(14, 15)-and/or a standardized shape-(12), the energy accumulator-(20)-being accessible on at least one vehicle side and/or from ~~the-a~~ vehicle bottom, and in that the label indicates the vehicle type and/or the position of energy accumulator-(20), and in that accumulator-(20)-is exchangeable with another accumulator and a withdrawal of energy can be released by a signal.

7. (Currently Amended) ~~Vehicle~~ The vehicle according to ~~Claim~~ claim 6, characterized in that further comprising a container-(42)-is provided that has

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having essentially the-a cross section of the energy accumulator (20) and/or a retaining device for an exchangeable molded element (38).

8. (Currently Amended) Vehicle The vehicle according to one of Claims claim 6 or 7, characterized by a wherein the label that indicates data related to testing of the the vehicle type and/or the position of energy accumulator (20).

9. (Currently Amended) Unit A unit for performing the method according to one of Claims claim 1-5 for supplementing the an energy supply, comprising:

with an access lane;
-and at least one stopping position for a vehicle according to one of Claims 6-8;
-characterized by at least one device for transporting a first energy accumulator (20) away from and supplying a filled second energy accumulator (20) to the stopping position; and

a, and in that the vehicle stopping position is located on a transport device that transports the vehicle (35) past various work positions.

10. (Currently Amended) Unit The unit according to Claim claim 9, further comprising: characterized by

a device for detecting the-a vehicle model.

11. (Currently Amended) Unit The unit according to one of Claims claim 9 or 10, further comprising:

characterized by a unit for testing and filling the first energy accumulator (20) that has been removed from the vehicle (35).

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12. (Currently Amended) ~~Unit~~ The unit according to ~~one of Claims~~
claim 9-11, further comprising:

~~characterized by~~ at least one main and one interim storage area for filled energy accumulators (20) in the vicinity of the vehicle stopping position.

13. (Currently Amended) ~~Unit~~ The unit according to ~~one of Claims~~
claim 9-12, further comprising:

~~characterized by~~ at least one device for automatic exchange of energy accumulators (20).

14. (Currently Amended) ~~Unit~~ The unit according to ~~one of Claims~~
claim 9-13, characterized in that the vehicle stopping position is located on a wherein the
transport device that transports vehicle (35) sequentially past various work positions.

15. (Currently Amended) ~~Unit~~ The unit according to ~~one of Claims~~
claim 9-14, further comprising:

~~characterized by an~~ at least partially subterranean transport means for energy accumulators (20) to transport accumulators (20) between individual storage areas or work stations.

16. (Currently Amended) ~~Unit~~ The unit according to ~~one of Claims~~
claim 9-15, characterized in that wherein the unit is integrated with a conventional filling
station.

17. (New) A method of replacing an energy accumulator in a vehicle, the method comprising:

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International Application No.: PCT/EP03/05672
International Filing Date: May 30, 2003
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Substitute Specification

removing from a vehicle a first energy accumulator storing a first amount of energy;

disabling the vehicle;

installing in the vehicle a second energy accumulator storing a second amount of energy;

determining a difference between the first amount of energy and the second amount of energy; and

enabling the vehicle.

18. (New) The method of claim 17 wherein disabling the vehicle occurs prior to removal of the first energy accumulator.

19. (New) The method of claim 17 wherein disabling the vehicle occurs when the second energy accumulator is installed.

20. (New) The method of claim 17, further comprising:
receiving a payment corresponding to the determined difference, wherein enabling of the vehicle occurs after the payment is received.

21. (New) An energy accumulator exchange station, comprising:
means for exchanging an energy accumulator;
means for determining an amount of compensation due as a result of an exchange of an energy accumulator; and
means for inhibiting theft of energy from an energy accumulator.